CLAIM AMENDMENTS

1.-9. (Cancelled)

10. (Previously Presented) A method comprising:

generating a modulated signal, the signal comprising a first modulated symbol and a second modulated symbol adjacent to the first modulated symbol in time;

scrambling first pilot tones associated with the first modulated symbol with a first pilot code; and

scrambling second pilot tones associated with the second modulated symbol with a second pilot code to indicate a time interval in which to demodulate the first modulated symbol from the signal.

11. (Original) The method of claim 10, wherein the modulated signal comprises an Orthogonal Frequency Division Multiplexing signal.

12. (Original) The method of claim 10, further comprising:

transmitting the modulated signal.

13. (Original) A method comprising:

receiving a signal containing a modulated symbol;

performing frequency transformations of the signal;

correlating the frequency transformations with a first pilot code;

correlating the frequency transformations with a second pilot code; and

comparing the results of the correlations with the first and second pilot codes to select one of the frequency transformations to obtain an indication of the demodulated symbol.

14. (Original) The method of claim 13, wherein

the first pilot code is associated with the symbol, and

the second pilot code is associated with another symbol adjacent to the first symbol in time.

15. (Original) The method of claim 13, wherein the comparing of the results of the correlations comprises:

finding a time interval between where the correlations peak.

16. (Original) The method of claim 13, wherein the signal comprises an Orthogonal Frequency Division Multiplexing signal.

17.-25. (Cancelled)

26. (Currently Amended) [[A]] An apparatus comprising:

circuitry to receive a signal containing a modulated symbol; and

an engine to:

perform frequency transformations of the signal,

correlate the frequency transformations with a first pilot code,

correlate the frequency transformations with a second pilot code, and

compare the results of the correlations with the first and second pilot codes to select one of the frequency transformations to obtain an indication of the demodulated symbol.

27. (Original) The apparatus of claim 26, wherein

the first pilot code is associated with the symbol, and

the second pilot code is associated with another symbol adjacent to the first symbol in time.

28. (Original) The apparatus of claim 26, wherein the engine finds a time interval between where the correlations peak to select one of the frequency transformations.

29. (Original) The apparatus of claim 26, wherein the signal comprises an Orthogonal Frequency Division Multiplexing signal.

30. (New) An apparatus comprising:

a processor to:

generate a modulate signal, the signal comprising a first modulated symbol and a second modulated symbol adjacent to the first modulated symbol in time;

scramble first pilot tones associated with the first modulated symbol with a first pilot tone;

scramble second pilot tones associated with the second modulated symbol with a second pilot tone to indicate a time interval in which to demodulate the first modulated symbol from the signal; and

a circuit to transmit the modulated signal.

31. (New) The apparatus of claim 30, wherein the circuit comprises a circuit to transmit the modulated symbol over one of a wireless medium and a cable-based medium.

32. (New) The apparatus of claim 30, wherein the modulated signal comprises an Orthogonal Frequency Division Multiplexing signal, wherein the first and second pilot tones aid in synchronizing demodulation of the first modulated symbol and the second modulated symbol.

33. (New) The apparatus of claim 30, wherein the pilot tones comprise binary phase shift keyed modulated signals.

34 (New) A system comprising:

an antenna;

a receiver coupled to the antenna to receive a signal containing a modulated symbol; and

a discrete Fourier transform engine to:

perform frequency transformations of the signal,

correlate the frequency transformations with a first pilot code,

correlate the frequency transformations with a second pilot code, and

compare the results of the correlations with the first and second pilot codes to select one of the frequency transformations to obtain an indication of the demodulated symbol.

35. (New) The system of claim 34, further comprising:

an analog-to-digital converter to convert the signal into a digital signal,

wherein the engine receives the digital signal.

36. (New) The system of claim 34, wherein the engine finds a time interval between where the correlations peak to select one of the frequency transformations.

37. (New) The system of claim 34, wherein the signal comprises an Orthogonal Frequency Division Multiplexing signal.